|         | Index of Claims   |          |              |          |          |         |          |          |   |                 |           |            |            | Application/Control No. |                        |              |              |          |             |                 |           |           | Applicant(s)/Patent under |            |                       |              |         |         |           |               |           | _         |   |  |  |
|---------|---|----------|--------------|----------|----------|---------|----------|----------|---|-----------------|-----------|------------|------------|-------------------------|------------------------|--------------|--------------|----------|-------------|-----------------|-----------|-----------|---------------------------|------------|-----------------------|--------------|---------|---------|-----------|---------------|-----------|-----------|---|--|--|
|         | A PERSON HOLD BOILS COME SPACE THAT SPACE AND SPACE AND SPACE |          |              |          |          |         |          |          |   |                 |           |            |            |                         | 40570 442              |              |              |          |             |                 |           |           |                           |            | Reexamination         |              |         |         |           |               |           |           |   |  |  |
|         |   |          |              |          |          |         |          |          |   |                 |           |            |            |                         | 10/772,413<br>Examiner |              |              |          |             |                 |           |           |                           |            | DIRKS ET AL. Art Unit |              |         |         |           |               |           |           |   |  |  |
|         |   |          |              |          |          |         |          |          |   |                 |           |            |            |                         |                        |              |              |          |             |                 |           |           |                           |            |                       |              |         |         |           |               |           |           |   |  |  |
|         |   |          |              |          |          |         |          |          |   |                 |           |            |            |                         | Annette R. Reimers     |              |              |          |             |                 |           |           |                           | 3/         | <u> </u>              |              |         |         |           | _             |           |           | _ |  |  |
|         | (Through numar  |          |              |          |          |         |          |          |   |                 |           |            |            | ral                     | <u> </u>               | ]            |              |          |             |                 |           | ]         | П                         |            |                       |              |         |         |           |               |           |           |   |  |  |
| √ Rejec |   |          |              |          |          |         | cted     |          |   | Cancelled       |           |            |            |                         |                        |              |              | N        | Non-Elected |                 |           |           | Α                         |            | Ap                    | ppeal        |         |         |           |               |           |           |   |  |  |
|         | =   |          |              |          |          | Allowed |          |          |   | ÷               |           | F          | Restricted |                         |                        |              | i            |          | ,           | l r             | iter      | fere      | nce                       |            | 0                     |              | Obj     | ect     | ed        |               |           |           |   |  |  |
|         | L   |          |              |          |          |         |          | J        |   |                 |           | •          |            |                         |                        |              | J            | L        |             |                 |           |           |                           |            |                       |              |         |         |           |               |           |           |   |  |  |
|         | Claim   |          |              |          |          |         | Date     | 2        |   |                 |           |            | Claim      |                         |                        |              |              | Date     | e           |                 |           |           |                           | aim        |                       | Date         |         |         |           |               |           |           |   |  |  |
|         | -<br>-  | 쿌        | フリ           | 3        |          |         |          |          |   |                 |           | =          | 1          | ᇣ                       |                        |              |              |          |             |                 | 1         |           | - E                       | na T       |                       |              |         |         |           |               |           |           |   |  |  |
|         | Final   | Original | 11           | 3        |          |         |          |          |   |                 |           | Final      |            | Original                | l                      |              |              |          |             |                 | 1         | ı         | Final                     | Original   |                       |              |         |         |           |               |           |           |   |  |  |
|         | _   | 1        | 05           | 1        | <u> </u> | _       | Н        | Н        | _ | $\vdash$        | $\dashv$  | $\vdash$   |            | 51                      | +                      | ╬            | ╀            | -        | -           | Н               | +         | -         | -                         | 101        |                       | +            | ╬       | ╀       | ╀         | $\vdash$      | $\dashv$  | -         |   |  |  |
|         |   | 2        | Ť            | Ĭ        |          |         |          |          |   |                 |           |            | 7          | 52                      | $\perp$                | $\perp$      |              |          |             |                 | $\exists$ | ゴ         |                           | 102        |                       |              | 士       |         |           |               |           |           |   |  |  |
|         |   | 3        | П            |          |          |         |          |          |   |                 | $\exists$ |            |            | 53                      | 4                      | L            | L            |          |             | П               | $\neg$    | $\Box$    |                           | 103        | П                     | $\dashv$     | $\bot$  | I       | L         |               |           | $\square$ |   |  |  |
|         |   | 5        | +            | +        |          | Н       | $\vdash$ | Н        | Н | Н               | $\dashv$  | -          | ╁          | 54<br>55                | ╁                      | ╁            | ╀            | -        | -           | H               | $\dashv$  | $\dashv$  |                           | 104<br>105 | $\vdash$              | +            | ╁       | ╁╌      | ╀         | $\vdash$      | $\dashv$  | $\dashv$  |   |  |  |
|         |   | 6        | 1            |          |          |         |          |          |   |                 | $\exists$ |            |            | 56                      | $\top$                 | +            |              |          |             |                 | $\exists$ | _         |                           | 106        |                       |              | $\perp$ | $\top$  | t         |               |           |           |   |  |  |
|         |   | 7        | $\prod$      |          |          |         |          |          |   |                 |           | _          |            | 57                      | $\perp$                | $\downarrow$ | -            | L        |             | Ц               | $\dashv$  | $\Box$    |                           | 107        | $\sqcup$              | $\cdot \mid$ | 4       | 1       | L         |               |           |           |   |  |  |
|         | <u> </u>  | 9        | ╫            | ╫        | H        | Н       | Н        | -        | H | $\vdash$        | $\dashv$  | -          | +;         | 58<br>59                | +                      | +            | +            | ┝        | ┝           | Н               | $\dashv$  | $\dashv$  | <u> </u>                  | 108<br>109 | $\vdash$              | +            |         | ╁       | ╁         | $\vdash$      |           | $\dashv$  |   |  |  |
|         | _   | 10       |              | 1        |          |         |          |          | Н |                 | $\exists$ |            |            | 50                      | 1                      | $\dagger$    | 土            |          |             | Н               | $\exists$ | _         |                           | 110        |                       | $\pm$        | $\perp$ |         | T         |               |           |           |   |  |  |
|         |   | 11       | 1            | Д        |          |         |          | П        |   | Ц               | 4         |            |            | 31                      |                        | 1            | +            | _        | L           |                 |           | _         |                           | 111        | Ш                     | 4            | -       |         | Ļ         |               |           |           |   |  |  |
|         | -   | 12<br>13 |              | Н        | $\vdash$ | H       | Н        | H        | Н | $\vdash$        | $\dashv$  | $\vdash$   |            | 62<br>53                | +                      | ╀            | ╁            | $\vdash$ | ┝           | H               | $\dashv$  | $\dashv$  |                           | 112<br>113 | ╂╌┨                   | +            | +       | +-      | ╁         | Н             | Н         | $\dashv$  |   |  |  |
|         |   | 14       | V            |          |          |         |          |          |   |                 | ゴ         |            |            | 34                      |                        |              | 上            |          |             |                 |           |           |                           | 114        |                       |              |         |         |           |               |           |           |   |  |  |
|         |   | 15       |              | 4        | $\perp$  |         |          |          | Щ | $\square$       | _         | _          | 1          | 35<br>36                | _                      | $\perp$      | $\downarrow$ | L        |             |                 | $\dashv$  | 4         |                           | 115        |                       | 4            | 4       | $\perp$ | L         |               |           |           |   |  |  |
|         | -   | 16<br>17 | <del> </del> | H        | -        | -       | -        | -        | H | Н               | $\dashv$  | -          |            | 37 S                    | +                      | +            | ╁            | $\vdash$ | $\vdash$    | Н               | $\dashv$  | $\dashv$  |                           | 116<br>117 | $\vdash$              | $\dashv$     | 十       | ╁       | ╁         | H             | Н         | -         |   |  |  |
|         |   | 18       |              | $\Box$   |          |         |          |          |   |                 |           |            | 1          | 38                      |                        |              | I            |          |             |                 |           | ゴ         |                           | 118        |                       | コ            | $\perp$ | İ       |           |               |           |           |   |  |  |
|         | <u> </u>  | 19<br>20 | ┞            | マア       | 4        | H       | Н        | $\vdash$ | Н | Н               | 4         | $\vdash$   |            | 59<br>70                | +                      | ╀            | +            | -        | _           |                 | -         | 4         | <u> </u>                  | 119<br>120 | $\vdash$              | +            | +       | +       | ╀         | ╀╌┤           | Н         | $\dashv$  |   |  |  |
| •       |   | 21       | $\vdash$     | <b> </b> | -        | Н       | Н        | Н        | Н | Н               | $\dashv$  | $\vdash$   |            | 71                      | +                      | $\dagger$    | $\dagger$    | $\vdash$ | H           |                 | $\dashv$  | 4         | <b> </b>                  | 121        | $\vdash \vdash$       | $\dashv$     | +       | +       | $\dagger$ | Н             | H         | Н         |   |  |  |
|         |   | 22       |              |          |          |         |          |          |   |                 |           |            |            | 72                      | $\perp$                | I            | L            |          |             |                 |           |           |                           | 122        |                       |              | $\top$  | I       |           |               |           |           |   |  |  |
|         | _   | 23<br>24 | -            | $\vdash$ | L        | -       | Н        |          | Н | Н               | $\dashv$  | -          |            | 73<br>74                | +                      | +            | +            | ╀        | -           | Н               | $\dashv$  | -         |                           | 123<br>124 | Н                     | +            | +       | ╁       | ╀         | $\vdash$      | $\vdash$  | $\dashv$  |   |  |  |
|         |   | 25       | -            | ┢        |          | Н       |          |          | Н |                 | $\exists$ |            | 1          | 75                      | $\top$                 | +            | +            |          |             |                 | $\dashv$  |           |                           | 125        |                       | $\exists$    | $\perp$ | 1       |           |               |           | _         |   |  |  |
|         |   | 26       |              |          |          |         | П        |          |   |                 |           |            |            | 76                      | $\Box$                 |              | T            |          |             |                 |           |           |                           | 126        |                       | $\Box$       | $\Box$  | I       | L         |               |           |           |   |  |  |
|         |   | 27<br>28 | ├            | ⊢        | H        | Н       | Н        | Н        | Н | $\vdash$        | $\dashv$  | -          |            | 77<br>78                | +                      | ╁            | ╀            | $\vdash$ | $\vdash$    | Н               | $\dashv$  | 4         | -                         | 127<br>128 | $\vdash$              | -+           | +       | ╁       | ┼-        | Н             | $\dashv$  | Н         |   |  |  |
|         |   | 29       |              |          |          |         |          |          |   |                 | $\exists$ |            | <b>T</b> : | 79                      |                        | $\dagger$    | 士            |          |             |                 |           |           |                           | 129        | ⇈                     | 士            |         | 1       |           |               |           |           |   |  |  |
|         |   | 30       |              |          |          |         | Ц        | L        | Щ | Ц               | 4         | _          |            | 30                      | 4                      | $\perp$      | $\perp$      | 1        | _           | Ц               | $\dashv$  | $\exists$ |                           | 130        |                       | 4            | $\perp$ |         | L         |               |           |           |   |  |  |
|         | -   | 31<br>32 | $\vdash$     |          | $\vdash$ | Н       | Н        | $\vdash$ | Н | Н               | $\dashv$  | $\vdash$   |            | 31<br>32                | +                      | +            | +-           | $\vdash$ | ┝           | Н               | $\dashv$  | $\dashv$  | -                         | 131<br>132 | Н                     | +            | +       | ╁╌      | ╁╌        | Н             | Н         | Н         |   |  |  |
|         |   | 33       |              |          |          |         |          |          |   |                 |           |            |            | 33                      | 工                      | İ            | İ            |          |             |                 |           |           |                           | 133        |                       | 士            | 士       | 士       |           |               |           |           |   |  |  |
|         |   | 34<br>35 | -            | _        | L        | Щ       |          | <u> </u> | _ |                 | $\dashv$  | -          |            | 34 <sup>-</sup><br>35   | -                      | +            | ┼            | -        | _           | $\square$       | -         | _         |                           | 134<br>135 |                       | 4            | -       | +       | ╀         | H             | $\dashv$  | Ц         |   |  |  |
|         |   | 36       | -            | -        | Н        | Н       | Н        | $\vdash$ | Н | $\vdash$        | $\dashv$  | $\vdash$   |            | 36                      | 十                      | 十            | ╁╴           | $\vdash$ | ┝           | Н               | $\dashv$  | ┪         | -                         | 136        | $\vdash$              | $\dashv$     | +       | ╁╴      | ╁         | Н             | $\dashv$  | Н         |   |  |  |
|         |   | 37       |              |          |          |         |          |          |   |                 | $\exists$ |            |            | 37                      |                        | 工            |              |          |             |                 | $\Box$    |           |                           | 137        |                       |              |         |         |           |               |           |           |   |  |  |
|         | <u> </u>  | 38<br>39 | _            | _        |          |         | Н        | Н        | Н | $\vdash$        | ┦.        | <b> </b> - |            | 38<br>39                |                        | +            | ╀            | ╀        | L           | $\vdash$        | 4         | 4         |                           | 138<br>139 | $\vdash$              | +            | +       | +       | _         | $\sqcup$      | $\square$ | $\dashv$  |   |  |  |
|         | -   | 40       | $\vdash$     | $\vdash$ | Н        | H       | H        | Н        | Н | H               | $\dashv$  | $\vdash$   |            | 90                      | +                      | +            | +            | +        | -           | H               | +         | $\dashv$  | -                         | 140        | H                     | +            | +       | +       | +         | Н             | $\vdash$  | $\dashv$  |   |  |  |
|         |   | 41       |              |          |          |         |          |          |   |                 | $\Box$    |            |            | 91                      | $\downarrow$           | ļ            | Ţ            |          |             |                 | コ         | コ         |                           | 141        |                       | $\Box$       | $\perp$ | 工       |           | П             |           |           |   |  |  |
|         |   | 42       | $\vdash$     | $\vdash$ | Н        | Н       | Н        | Н        | Н | ert             | $\dashv$  | -          |            | 92<br>93                | +                      | +            | +-           | $\vdash$ | _           | $\vdash \vdash$ | +         | -         | -                         | 142<br>143 | $\vdash$              | +            | +       | +-      | ╀         | $\vdash \mid$ | $\vdash$  | dash      |   |  |  |
|         |   | 44       |              |          |          | H       | H        | H        | Н | $\Box$          | $\exists$ |            |            | 94                      | _                      | +            | 士            | $\vdash$ |             |                 | _         | $\exists$ |                           | 144        | ┌┤                    | $^{+}$       | +       | 1       | T         | Н             | $\Box$    | $\exists$ |   |  |  |
|         |   | 45       |              |          |          |         | П        | П        |   |                 |           | 匚          | 7          | 35                      | $\bot$                 | T            | I            |          |             |                 | $\Box$    | $\exists$ |                           | 145        |                       | $\dashv$     | T       | T       |           | П             | $\Box$    | 口         |   |  |  |
|         |   | 46<br>47 | -            | $\vdash$ | Н        | Н       | Н        | $\vdash$ | Н | $\vdash \vdash$ | $\dashv$  | -          |            | 96<br>97                | +                      | +            | +            | $\vdash$ | -           | Н               | $\dashv$  | $\dashv$  | -                         | 146<br>147 | $\vdash$              | +            | +       | +       | -         | Н             | H         | $\vdash$  |   |  |  |
|         |   | 48       |              |          |          |         | H        |          |   | 口               | ゴ         |            |            | 98                      | 士                      | 士            | I            |          |             |                 | 」         | J         |                           | 148        |                       | 士            |         |         |           |               |           | ╛         |   |  |  |
|         |   | 40       | _            | _        | П        |         | П        |          |   |                 |           | 1          | T          | 10                      | Т                      | T            | I            | 1        |             |                 | T         | 7         |                           | 140        |                       | Т            | Т       |         | 1         | П             |           |           |   |  |  |

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